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Family Name

Republic of Korea

Country of Citizenship

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abova. I acknowledge the duty to disclose all Information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby foreign priority benefits under 35 U.S.C. 119(a)(d) or 365(b) of any foreign application (s) for patent or inventor's certification, 376(a) of any PCT International Application, flet by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application: PRIOR FOREIGN APPLICATION(S) Application/Patent Country Dav/Month/Mear/filed Dav/Month/Mear/filed Dav/Month/Mear/filed Dav/Month/Mear/filed Dav/Month/Mear/filed Patent/Grant/date Nopriori Claimed If more prior foreign applications, X box at bottom and continue on attached page, Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentiability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of his application humber I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and file that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issued thereon; And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No.	above. 1 acknowledge the duty to disclose all Information known to me to be material to patentality as defined in 37 C.F.R. 1.56. Exectl as noted below. Inversely to refere principle penetrial versely care to the designated at least one other country than the United States, listed below and have all to identificate and the designated at least one other country than the United States, listed below and have all to identificate below any foreign application or breath of the designated at least one other country than the United States, listed below and have all to identificated below any foreign application and which principle is claimed, or (2) if no principly claimed, before the filling date of this application. PRIOR FOREIGN APPLICATION(S) Application/Patern Gournal Gournal In the Country of the Count	A. ☐ i B. ☐ w C. ⊠ w	s attached hereto. vas filed on vas filed as PCT Intern	as ational Application No.		27/03//2004
Application/Ratent Number Republic of Korea 20/11/2003 If more prior foreign applications, X box at bottom and continue on attached page, Except as noted below. I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below. PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application. INONPROVISIONAL AND/OR PCT APPLICATION(S) Application Number Day/Month/Xear/filed (pending/abandoned/patented) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and fit that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or patent is such that such sulfful false statements may jeopardize the validity of the application or patent is such thereory. And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business.	Date	above. I acknowledge th foreign priority benefits un which designated at least or PCT International Appl	e duty to disclose all informa nder 35 U.S.C. 119(a)-(d) or tone other country than the b lication, filed by me or my as	ation known to me to be material to 365(b) of any foreign application(United States, listed below and ha signee disclosing the subject mat	o patentability as defined in 37 C.F.R. 1.56 s) for patent or inventor's certificate, or 365 ave also identified below any foreign applic ter claimed in this application and having a	 Except as noted below, I hereby claim 6(a) of any PCT International Application ation for patent or inventor's certificate,
Number Claimed Claim	Number 10-2003-0082725 Republic of Korea 20/11/2003 If more prior foreign applications, X box at bottom and continue on attached page. Except as noted below. I hereby claim domestic priority benefit under 35 U.S. C. 119(e) or 120 and/or 355(c) of the indicated United States applications listed below. PCT international applications listed above or below and, if this is a continuation-in-part (ICP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, la cknowledge the duty to disclose all information known to me to be material to patentability application is in addition to that disclosed in such prior applications, la cknowledge the duty to disclose all information known to me to be material to patentability application is in addition to that disclosed in such prior applications, and the national or PCT international filling date of this application and the national or PCT international filling date of each such prior applications and the national or PCT international filling date of each such prior applications in the patentability application in the patentability of the application or any patent issued thereon; OTO of Title 16 of the United States Code and that such willful false statements and the like so made are punishable by fine or improvement, or both, under Section 100 of Title 16 of the United States Code and the such willful false statements and the like so made are punishable by fine or improvement, or both, under Section 100 of Title 16 of the United States Code and the such will have application or any patent is suggestion to a patentability of the application or any patent is suggestion. And I hereby appoint May			Day/Month/Mear/filed	Date)firstilaid	Meantdate Nondonty
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and for that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon; And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business.	I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and furthat these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon; And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer Number the names of persons no longer with their firm, to add new persons of their firm to that Customer Number, and to eat and rely on instructions from and communicate directly with the person/assignee/altomey/firm/ organization who/which sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary. **O00043569*** (Customer No. for communications) **MAYER BROWN ROWE & MAW LLP** WASHINGTON, D.C.** **Date: 2x6. 4,28 **Customer No. for communications) **The Middle Initial** Park Park					***************************************
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USE ONLY FOR MAYER BROWN ROWE & MAW LLP WASHINGTON, D.C. *000043569* (Customer No. for communications)	Name Sung-Ik PARK First Middle Initial Family Name Residence Daejon Republic of Korea Republic of Korea City State/Foreign Country Mailing Address 146-14, Sinseong-dong, Yuseong-gu, Daejon 305-804, Republic of Korea	USE O MAYER BROWN	NLY FOR ROWE & MAW LLP GTON, D.C.	*000043	3569* (Custon	·
(1) INVENTOR'S SIGNATURE: Since IK Paul Date: 2006, 4,28	Family Name Residence Daejon Residence City State/Foreign Country Country of Citizenship Mailing Address 146-14, Sinseong-dong, Yuseong-gu, Daejon 305-804, Republic of Korea	(1) INVENTOR'S SIG	NATURE: Sund F	K Paul	Date: 2006,	4.28
Name Sung-lk PARK	Residence Daejon Republic of Korea Republic of Korea City State/Foreign Country Country of Citizenship Mailing Address 146-14, Sinseong-dong, Yuseong-gu, Daejon 305-804, Republic of Korea	Name Sun	g-lk		PARK	
	City State/Foreign Country Country of Citizenship Mailing Address 146-14, Sinseong-dong, Yuseong-gu, Daejon 305-804, Republic of Korea	,-%-	First			<u> </u>
	Mailing Address 146-14, Sinseong-dong, Yuseong-gu, Daejon 305-804, Republic of Korea	Residence Dae		Republic of K		
		Mailing Address		Vuonna sui Dasia ann ann		Country of Citizenship
	(2) INVENTOR 3 SIGNATURE.			, ruseong-gu, Daejon 305-80		
(2) INVERTOR 3 SIGNATURE. Date:	Name Seung-Won KIM					·

Middle Initial

#109-1804 Narae Apt., Jeonmin-dong, Yuseong-gu, Daejon 305-729, Republic of Korea

Republic of Korea

State/Foreign Country

First

City

Daejon

Residence

Mailing Address

FOR ADDITIONAL INVENTORS, see attached page.

Mailing Address

See <u>additional foreign priorities</u> on attached page (incorporated herein by reference).

Attorney Reference: Client Reference:	POJECO85/US

DECLARATION AND POWER OF ATTORNEY RULE 63 (37 C.F.R. 1,83) FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is fisted below) or an original; first and joint inventor (if plural names are listed below) of the subject matter which is derived and for which a patent is sought on the INVENTION ENTITLED;

APPARATUS AND METHOD OF DECISION FEEDBACK EQUALIZATION IN TERRESTRIAL DIGITAL

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the	specification of which:	(check one applicable box)					
A.	is attached hereto						
8.	was filed on		as U.S. Applic	ation No. /			
C.	was filed as PCT	International Application I	lo. PCT/ KF	22004/000707	on	27/03//2004	
and (if applicable	MILE ACPCT analic	minn) was amended on			•		

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose at information known to me to be material to patentability as delined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 355(b) of any foreign application(e) for petent or inventor's certificate, or 365(a) of any PCT international Application, which designated at least one other country than the United States, listed below and have size identified below any foreign application for potent or inventor's certificate. or PCT international Application, filed by me or my essignee disclosing the subject matter claimed in this application and having a titing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application;

PRIOR FOREIGN APPLICATION(8)

Application/Patent Number	Country	Dav/Month/Year filed	Date first laid open/published	Patent/Grant date	No priority cisimed
10-2003-0082725	Republic of Korea	20/11/2003			

if more prior foreign applications. X box at bottom and continue on attached page.

2001 as noted below. I hereby daim demestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and Except as noted below. I hereby daim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 355(c) or the indicated United States applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, i acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R., 1,56 which became available between the fitting date of each such prior application and the national or PCT international filling date of this application:

PRIOR U.S. PROVISIONAL NONPROVISIONAL AND/OR PCT APPLICATION(6)

Application Number	Day/Month/Year filed	Status (sendion/abandened/ostented)	No priority claimed
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I hereby declars that sit statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilkli false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful faire statements may leopardize the validity of the application or any patent issued thereon;

And I hereby appoint Mayer Brown Rowe & Maw LLP, Interfectual Property Group. (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hareby authorize them to delete from that Customer Number the names of persons no longer with their firm, to add new persons of their firm to that Customer Number, and to act and rety on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.

USE ONLY FOR MAYER BROWN ROWE & MAW LLP WASHINGTON, D.C. *000043569*

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:				Date:		
Name Sung-Ik			PARK			
		First	Middle Initial	:	Femily Name	
Residence	Dae	ijon	Republic of Kore	· ·	Rep	ublic of Korea
		City		State/Foreign Country		Country of Clazenship
Mailing Addres	88	146-14, Sinseong-dong, Yus	eong-gu, Daejon 305-804, I	Republic of Korea		
(2) INVENTOR	7'S SIG	NATURE:	>	Date:	04/24	12006
Name	Şeu	ing-Won		KIM		
		First	Middle Initial		Femily Name	
Residence	Dae	ijon	Republic of Kore	98	Rep	ublic of Korea
		City		State/Foreign Country		Country of Citizenship

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Mailing Address

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Mailing Address Signature: Date: Name First Middle Initial Family Name Residence City State/Foreign Country Country of Citi Mailing Address City	FOR ADDIT	FIONAL INVENTORS, see attached p	age.	
Mare	See <u>additio</u>	onal foreign priorities on attached page DECLARA	ATION AND POWER OF ATTORNEY (continued)
### ### ##############################) INVENTOR	'S SIGNATURE:	Da	ite:
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believe I am the orig below) of the subject		r (if only one name is I and for which a patent	isted below) or an original is sought on the INVENT	al, first and joint inventon TION ENTITLED:	elow next to my name, and I or (if plural names are listed
BROADCASTIN	G RECEIVER				
A. 🗀 B. 🗇	cification of which: (check is attached hereto. was filed on was filed as PCT Intern		as U.S. Application	No. / 4/000707 on	27/03//2004
and (if applicable to	J.S. or PCT application) v	was amended on			
above. I acknowledge to foreign priority benefits which designated at lea or PCT International Ap	he duty to disclose all information and crist 35 U.S.C. 119(a)-(d) or st one other country than the plication, filed by me or my as ority is claimed, or (2) if no profits the discrete of the discrete or the discrete or the discrete of the	ation known to me to be n r 365(b) of any foreign ap United States, listed belo ssignee disclosing the sut	naterial to patentability as de plication(s) for patent or inve w and have also identified b bject matter claimed in this a	efined in 37 C.F.R. 1.56. Entor's certificate, or 365(a) pelow any foreign application and having a fili	ed by any amendment referred to <u>except as noted below</u> , I hereby claim of any PCT International Application on for patent or inventor's certificate, ng date (1) before that of the
Application/Paten		Day/Month/Year fil			rant date No priority
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10-2003-0082725	Republic of Korea	20/11/2003			
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If more prior foreign a	pplications, X box at botton	n and continue on attac	hed page.		
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that these statements w		that willful false stateme	nts and the like so made are	e punishable by fine or imp	ef are believed to be true; and further risonment, or both, under Section patent issued thereon;
associated with USPTO the Patent and Tradema persons no longer with t person/assignee/attorne	Customer No. 43569, as set irk Office connected therewith heir firm, to add new persons	forth below, individually a h and with the resulting pa s of their firm to that Custo th sends/sent this case to	and collectively, as my couns stent, and I hereby authorize mer Number, and to act and them and by whom/which I	set to prosecute this applice them to delete from that 0 d rely on instructions from	and persons of that firm who are ation and to transact all business in Customer Number the names of and communicate directly with the consented after full disclosure to be
MAYER BROWN	ONLY FOR I ROWE & MAW LLP IGTON, D.C.	*000	043569*	(Custome	r No. for communications)
(1) INVENTOR'S SIG	NATURE:			Date:	
Name Su	ng-Ik		PARK		
	First	. Mi <u>d</u> dle	Initial	Family N	lame
Residence Da	ejon	Reput	olic of Korea		Republic of Korea
Mailing Address	City 146-14 Sinseong-dong	Yuseono-du Daeion	State/Foreign Co 305-804, Republic of Ko		Country of Citizenship
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(2) INVENTOR'S SIG	NATURE:			Date:	
Name Se	ing-Won		KIM		
	First	Middle	Initial	Family N	lame
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	City		State/Foreign Co		Country of Citizenship
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FOR ADDI	TIONAL INVENTORS, s	see attached page.				
See additi	onal foreign priorities on	attached page (inco	porated herein by	reference). DF ATTORNEY (contin		
		DECLARATION	AND POWER C	VENTORS:	uea)	
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(3) INVENTOR	'S SIGNATURE:	1 Strkim		Date:	28/04	12006
Name	Hyoung-Nam			KIM		
	Firs	t	Middle Initial		Family I	Name
Residence	Busan		Republic of Ko	rea		Republic of Korea
	Ci	ity		State/Foreign Country		Country of Citizenship
Mailing Addres	s San 30, Jangjed	on-dong, Geumjeong	-gu, Busan 609-83	36, Republic of Korea		
(4) INVENTOR	'S SIGNATURE:			Date:		· · · · · · · · · · · · · · · · · · ·
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(0) INVENTOR	IC CICNATURE.			D-4		
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SUBMISSION OF CORRECTION

To: Commissioner of the Korean Intellectual Property Office

International Application No.		PCT/KR2004/000707	International Filling Date	27/03/2004	Priority Date	20/11/2003		
	Name	Electronics and Telecommunications Research Institute et al.			Country of Nationality	Republic of Korea		
Applicant	Address	161, Gajeong-dong, Yuseong-gu, Daejon 305-350, Republic of Korea						
		Shinsung Patent Fir	m Agent's Code	9-2000-100004-8	Tel. No.	82-2-555-7503		
Agent	Address	Haecheon Bldg., 741-40, Yeoksam 1-dong, Kangnam-ku, Seoul 135-924 Republic of Korea						
Date of Invitation								
Material(s) to be Corrected		Power of Attorney						
Contents of Remedy		See Attached Document						

Submitted hereby is a correction pursuant to Article 101(2) of the Enforcement Regulations of the Patent Law

Date(day/month/year)

27 / 04 / 2004

Applicant (Agent)

Shinsung Patent Firm



1. Three Copies of Power of Attorney

^{*} Attached Document(s)

GENERAL POWER OF ATTORNEY

Agent

Name: SHINSUNG PATENT FIRM

Address: Haecheon Bldg., 741-40, Yeoksam 1-dong, Kangnam-ku

Seoul 135-924, Republic of Korea

I/We, the undersigned, do hereby appoint the above-identified agent as my/our agent to act for me/us in proceedings concerning all of my/our International Applications.

Date: September 16, 2002

Applicant

Name: Electronics and Telecommunications Research Institute

(Seal)

Address: 161 Septementary, Yuseong-gu, Daejon, 305-350,

Republic of Korea

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)
(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):					
Sung-Ik Park					
hereby appoints(appoint) the following person as:					
Name and address (Family name followed by given name; for a legal entity, full official designation, The address must include postal code and name of country.)					
SHINSUNG PATENT FIRM					
Haecheon Bldg., 741-40, Yeoksam 1-dong, Kangnam-gu Seoul 135-924, Republic of Korea					
to represent the undersigned before					
☐ the International Searching Authority only					
☐ the International Preliminary Examining Authority only					
in connection with the international application identified below:					
Title of the invention: *					
Applicant's or agent's file reference: P03EC065/PCT					
International application number (if already available): PCT/KR2004/000707					
filed with the following Office Korean Intellectual Property Office as receiving office					
and to make or receive payments on behalf of the undersigned.					
Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):					
Name: Sung-Ik Park					
Address: 146-14, Sinseong-dong, Yuseong-gu, Daejon 305-804,					
Date: 2004, 3, 25					

Form PCT/Model of power of attorney (for a given international application)(July 1992)
*APPARATUS AND METHOD OF DECISION FEEDBACK EQUALIZATION IN TERRESTRIAL DIGITAL BROADCASTING RECEIVER

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)
(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated	as they appear in the request):
Seung-Won Kim	
hereby appoints(appoint) the following person as:	■ agent □ common representative
Name and address (Family name followed by given name; for a legal entity, full of country.)	fficial designation, The address must include postal code and name
SHINSUNG PATENT FIRM	
Haecheon Bldg., 741-40, Yeoksam 1-dong, Kang Seoul 135-924, Republic of Korea	nam-gu :
to represent the undersigned before	■ all the competent International Authorities
;	☐ the International Searching Authority only
; <mark>.</mark>	☐ the International Preliminary Examining Authority only
in connection with the international application identifie	d below:
Title of the invention: *	
Applicant's or agent's file reference: P03EC065/	PCT .
International application number (if already av	ailable): PCT/KR2004/000707
filed with the following Office Korean Intellect	ual Property Office as receiving office
and to make or receive payments on behalf of the under	signed.
Signature of the applicant(s) (where there are several applicant person signing and the capacity in which the person signs, if such cap	ants, each of them must sign; next to each signature, indicate the name of the pacity is not obvious from reading the request or this power):
Name: Seung-Won Kim	
Address: #109-1804 Narae Apt., Jeonmin- Republic of Korea Date: 2004, 3, 25	dong, Yuseong-gu, Daejon 305-729,

Form PCT/Model of power of attorney (for a given international application)(July 1992)
*APPARATUS AND METHOD OF DECISION FEEDBACK EQUALIZATION IN TERRESTRIAL
DIGITAL BROADCASTING RECEIVER

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)
(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated a	s they appear in the request):			
Hyoung-Nam Kim				
hereby appoints(appoint) the following person as:	■ agent □ common representative			
Name and address (Family name followed by given name; for a legal entity, full office of country.)	icial designation, The address must include postal code and name			
SHINSUNG PATENT FIRM				
Haecheon Bldg., 741-40, Yeoksam 1-dong, Kangna Seoul 135-924, Republic of Korea	am-gu			
to represent the undersigned before	all the competent International Authorities			
	the International Searching Authority only			
С	the International Preliminary Examining Authority only			
in connection with the international application identified	below:			
Title of the invention: *				
Applicant's or agent's file reference: P03EC065/PC	CT .			
International application number (if already avail	able): PCT/KR2004/000707			
filed with the following Office Korean Intellectua	al Property Office as receiving office			
and to make or receive payments on behalf of the undersig	gned.			
Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs if such capacity is not obvious from reading the request or this power):				
Name: Hyoung-Nam Kim				
Address: San 30, Jangjeon-dong, Geumjeong Republic of Korea	g-gu, Busan 609-836,			
Date: Mar. 25, 2004				

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